




VIACRETE system data sheet

VIACRETE *MF standard*^{FF}

Medium duty, self-smoothing, seamless polyurethane concrete flooring system, excellent mechanical and chemical resistance, high thermal shock resistance, odourless, solvent free

SYSTEM BUILD-UP

-  Wear coat coloured:
VIACRETE PU-MF^{FF}
-  Primer for cementitious substrates:
VIACRETE PU-MF^{FF} /VIASOL EP-P210^{FF}
-  Substrate:
Concrete, cementitious screed and others

SYSTEM THICKNESS

3.0 – 6.0* mm



* for system thickness >4mm a two layer application is recommended

SYSTEM HIGHLIGHTS

- HACCP International certified
- The finished system is assessed as non-hazardous to health and environment
- Green Line Eco certified



APPLICATION FIELDS

- Dry or moderate wet processing zones
- Dairy production
- Food & beverage production facilities
- Warehouse & distribution centres
- Foodstuff preparation
- Dry production facilities

SYSTEM BENEFITS

- High chemical resistance
- High impact resistance
- High abrasion resistance
- Good thermal shock resistance
- Odourless, non-tainting to food
- Solvent free
- Easy to clean and low maintenance
- Complies to HACCP and GMP requirements
- Fast return to service
- Trafficable with hand and fork lifts
- Available in different colors
- Seamless finish
- Fire behavior B_{f1-s1}

Manufacturer:

Floorfinder Asia Sdn. Bhd., No. 28, Lorong Sungai Puloh 1A/KU6, Jalan Sungai Puloh, Batu 5 3/4, 42100 Klang, Selangor Darul Ehsan, Malaysia, tel: +603 3290 7644, email: info@floorfinder.com.my, www.floorfinder.com.my – A division of VIACOR Polymer GmbH Germany

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SUBSTRATE REQUIREMENT

Cementitious substrates according to the appropriate standards and approvals must be capable of bearing loads and be free of cracks and voids. Pull-off strength $\geq 1.5 \text{ N/mm}^2$, residual moisture content $< 4 \%$ -CM, with higher residual moisture and on substrates with moisture from the slab special measures must be taken or a damp-proof membrane must be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum-cleaning is mandatory. Consumptions are calculated with VIASOL quartz sands and fillers. Usage of other quartz sands and fillers can cause changes of consumption and technical data.

Detailed application instructions are available upon request or refer to the technical product data sheet.

TECHNICAL DATA



property	standard	result
Compressive strength	EN 196 / ASTM C190	Approx..50 N/mm ²
Adhesive strength	EN ISO 4624	$\geq 1.5 \text{ N/mm}^2$ depends on substrate quality
Shore-Hardness	EN ISO 868	D 80 after 28 d
Heat resistance		- 5°C to +70°C (3-4 mm) -10°C to +90°C (5-6 mm)
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Anti-microbial	Japanese Industrial Standard JIS Z 2801:2000	After 60 wash cycles 99.9% microbial growth reduction
Wear resistance Taber (CS 17)	EN ISO 5470-1	$\leq 120 \text{ mg}$
Flexural strength	ASTM C 348	approx. 20 N/mm ²
Tensile strength	EN 196 / ASTM C109	approx. 10 N/mm ²
Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^\circ\text{C}$
Slip resistance	TRRL pendulum slip test DIN 51130	dry > 70 , wet > 21 R9
Low emission	ISO 16000-3, 6,9 and EN 16516	fulfilled
Fire resistance	EN13501-1	B _{f1-s1}

Remark: for further information please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore, no liability claims can be derived from the system data sheet. As all FLOORFINDER data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue (see www.floorfinder.com.my or contact us directly)– all technical information is subject to change without prior notice. FLOORFINDER products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

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